

Key Features

- Super L-band operating wavelength
- Flattened gain
- Low noise figure
- Turnkey device
- RS232/Ethernet interface



2U Rackmount Casing



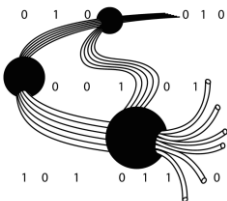
1550nm - CW

Description

As the growing demand of data transmission capacity, Amonics' Super L-band (L++ band) DWDM Erbium-doped Fiber Amplifier (EDFA) is the ideal solution that features Super L-band operating range up to 1626.2nm. The EDFA adopts the design of high-power pump laser and high-stability pump combiners, renowned for robustness in high power boosting. It provides flattened gain across the operating wavelength range and very low noise figure.

The turnkey microprocessor-controlled EDFAs provide illustrative alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions and data acquisition.

Application



- SONET/SDH Systems
- Optical Communications
- Booster, In-line & Pre-amp



- Fiber Optic Sensing



- DWDM applications
- Scientific applications



ISO 9001 : 2015
Certificate No.: CC 5346

Our product is manufactured under a HKQAA ISO 9001 certified quality management system. The ISO 9001:2015 certification applies to the Hong Kong production site only.

Specifications

Model	AEDFA-L-SU-DWDM-21	AEDFA-L-SU1-DWDM-20
Composite Output Power	Min. 21 dBm, Typ. 22 dBm @ input power 0 dBm	Typ. 20 dBm @ input power 0 dBm
Composite Input Power	-6 to +3 dBm	-6 to +3 dBm
Optical Input Wavelength	1570 nm to 1625 nm	1574.3 nm to 1626.2 nm
Optimal Optical Gain	Min. 21 dB, Typ. 22 dB @ input power 0 dBm	Typ. 20 dB @ input power 0 dBm
Noise Figure	Max. 7.5 dB*	Typ. 7.5 dB
Gain Flatness (peak to peak)	Max. 2.0 dB	Max. 2.0 dB
Input / Output Isolation	Min. 30 dB	Min. 30 dB
Polarization Dependent Gain	Typ. 0.3 dB, Max. 0.5 dB	Typ. 0.3 dB, Max. 0.5 dB
Control Mode	ACC	ACC

* Measured at wavelength range 1570 – 1620 nm

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Power Supply	90 – 240 VAC, 47 – 63 Hz
Dimensions	485(W) x 360(D) x 90(H) mm
Mechanical Safety Control	Key-lock switch, BNC interlock key
LCD Display	Output power, Input power (optional) , Pump laser current
Computer Interface	RS232 (Control software & connection cable included) / Ethernet (option)
Protection	Pump laser overheat warning
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	SMF-28

Ordering Information

Product Code	AEDFA-L-SU-DWDM-aa-b-cc AEDFA-L-SU1-DWDM-aa-b-cc	aa : Saturation output power in dBm b : R for 19" Rackmount cc : FA for FC/APC, FC for FC/UPC, SA for SC/APC, SC for SC/UPC
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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